

TEREGULOV, I.G. (Kazan')

Creep in the boundary area of thin shells. Izv. Ak SSSR.  
Mekh. i mashinestr. no.6:169-173 N-D '63. (MIRA 17:1)

L 10433-67 EWT(d)/EWT(m)/EWP(w)/EWP(v)/EWP(k)/EWP(t)/ETI IJF(c) JD/MI/EN  
 ACC NR: AT6032967 SOURCE CODE: UR/3228/64/000/002/0145/0158 28

AUTHOR: Teregulov, I. G.; Murtazin, R. Z.

ORG: none

TITLE: Quasistatic bending and stability of shells under creep (inheritance theory)

SOURCE: Kazan. Universitet. Issledovaniya po teorii plastin i obolochek, no. 2, 1964, 145-158

TOPIC TAGS: creep, shell structure stability, metal bending

ABSTRACT: The paper discusses some approximate solution methods for problems concerning the bending of plates and shells when the bending is comparable to the thickness. The solutions are based on a variational method and the method of a small parameter. During the development of creep deformation, the shell acquires a bent shape for which a certain stress is critical. With the assumption that the relative elongations are small in comparison to unity, the calculation is based on the linearized relationship between the stresses and deformation developed by Yu. N. Rabotnov in his theory of "hereditary creep". This relationship is given by

$$\epsilon_{mn}(t) = B_{mnk} \sigma^{lk}(t) + \int_0^t K(t-\tau) B_{mnk} \sigma^{lk}(\tau) d\tau. \quad (1.1)$$

Card 1/2

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ACC NR: AT6032967

where  $\epsilon_{ik}$  are the contravariant components of the stress tensor;  $B_{mnk}$  - components of the elastic constants tensor;  $K(t - \tau)$  is the kernel of the aftereffect;  $t$  - time;  $\epsilon_{mn}$  - covariant components of the deformation tensor. Application of an approximate method is justified because of the considerable scatter of experimental data. Orig. art. has: 2 tables and 48 equations.

SUB CODE: 20 / SUBM DATE: --Jun63/ ORIG REF: 004

Card 2/2 <sup>b7c</sup>

ACC NR: ARG027464

(N)

SOURCE CODE: UR/0044/66/000/005/B057/B057

AUTHOR: Teregulov, I. G.

TITLE: Approximate solution methods for problems of irregular creep in thin films

SOURCE: Ref. zh. Matematika, Abs. 5B283

REF SOURCE: Sb. Issled. po teorii plastin i obolochek. No. 3, Kazan', Kazansk. un-t, 1965, 270-279

TOPIC TAGS: thin films, creep, approximate solution, approximation method

ABSTRACT: General equations for thin film creep with small deformations are examined on the basis of hardening theory. Initial relationships are formulated by introducing quadratic forms of stress and moments and, consequently, for elongation and bending; each relationship contains an arbitrary constant, chosen on energy considerations. Introduction of generalized and supplementary scattering functions permits approximate formulation of the basic dependence between force and kinematic characteristics under creep conditions. The corresponding variational principles are formulated. The approximate variational method for solving irregular creep problems is described. An example is given of bending of a sloping spherical segment, with one rigidly fastened end, under a hydrostatic pressure. [Translation of abstract] V. Shamin

SUB CODE: 09,20

UDC: 517.9:539.3

Card 1/1

ACC NR: AR6028087

SOURCE CODE: UR/0124/66/000/005/V048/V048

AUTHOR: Teregulov, I. G.

TITLE: Approximate methods of solving problems of unsteady creep of thin shells

SOURCE: Ref. zh. Mekhanika, Abs. 5B358

REF SOURCE: Sb. Issled. po teorii plastin i obolochek. No. 3. Kazan', Kazansk. un-t, 1965, 270-279

TOPIC TAGS: metal creep, approximation method, thin shell structure

ABSTRACT: The general equations of creep of thin shells under small strains are examined on the basis of the theory of hardening (with a power dependence). Quadratic forms of forces and moments and of rates of elongation and curvature, respectively, containing one arbitrary constant for each are introduced for constructing the initial relations (by analogy with the proposal of V. I. Rozenblyum (see Prikl. matem. i mekhan., 1963, 27, No. 1, 154-159--RZhMekh, 1964, 8B419)). These constants are suitably selected on the basis of energy considerations (unlike the aforementioned work of V. I. Rozenblyum where the Drucker-Kaladin theorems of inclusion are used). The introduction of generalized functions of dissipation and additional dissipation permit obtaining approximate formulations of the basic relations between power and kinematic characteristics under creep conditions. The formulations of corresponding variational principles are given. An approximate variational method of solving problems of unsteady creep of shells is presented. Bending of a sloping spherical segment with a

Card 1/2

ACC NR: AR6028087

rigidly imbedded edge under the effect of hydrostatic pressure is given as an illustration. [Translation of abstract] L. M. Kachanov

SUB CODE: 2012

Card 2/2

ACC NR: AR6030403

(N)

SOURCE CODE: UR/0124/06/000/000/V042/V042

AUTHOR: Teregulov, I. G.

TITLE: Variation method in the theory of nonstationary creep

SOURCE: Ref. zh. Mekhanika, Abs. 6V306

REF SOURCE: Sb. Issled. po teorii plastin i obolochek. No. 3. Kazan', Kazansk. un-t, 1955, 280-293

TOPIC TAGS: shell theory, shell stability, thin shell, thin plate

TRANSLATION: At the beginning of the article, a variational principle is formulated for nonstationary creep of a body in a geometrically nonlinear form. Elongations and shifts are assumed to be small; equations of the theory of flow under a power-series law are used. In the second part of the article, this variational principle is applied to the theory of thin plates and shells with a few supplementary simplifications. The problem of the stability of an infinitely long sloping cylindrical panel under the action of lateral loading is studied. The solution is constructed according to the method of Dubnov-Galyorkin for one undetermined time function. L. M. Kachanov.

SUB CODE: 20,12 /3

Card 1/1

1. TEREGULOV, I. Kh.
  2. USSR (600)
  4. Fertilizers and Manures
  7. Using peat for fertilizer on the "Krasnyi Oktiabr'." Dost. sel'khocz. no. 10, 1952.
9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

TEMEYULOV, I. M.

Fertilizers and Manures

Mechanized extraction and carting of peat for fertilizer. Sov. agron. 10, no. 7, 1952.

9. Monthly List of Russian Accessions, Library of Congress, September 1952 [redacted] Uncl.

TEREGULOV, I.

Peat

Using peat composts on the "Novaia Zhizn" Collective Farm. Dost. sel'khoz. No. 3,  
1953.

SO: Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.

1. TEREGULOV, I. Kh.
2. USSR 600
4. Peat
7. Using peat composts, Sov. agron, 11, No. 2, 1953.
  
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Unc1.

1. TEREGULOV, I., Eng.
2. USSR (600)
4. Peat Industry
7. Organization in digging peat for fertilizer. MTS 13, No. 4, 1953.
  
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

СОВЕТСКАЯ АССАМБЛЕЯ РСФСР

1/5  
7.2.1.  
•22

Dobyche i priklyucheniye torga na udro-reiniye ( Extraction of peat and its use as fertilizer. Nov'tva, Sel'skogoz, 1955.

101 p. 416 s., illus., tables.

At head of title-page: peredel'nyy Opys v Sel'skogo Khozyaystv'e.

GALENCHIK, Ivan Zakharovich, kand.tekhn.nauk; ZHUK, Yefim Afanas'yevich,  
kand.tekhn.nauk; OSTROVSKIY, Yakov Naumovich, agronom; TEREKULOV,  
Ivan Kharitonovich, inzh.; KAZACHENOK, V., red.; KALECHITS, G.,  
tekhn.re?.

[Winning peat and its uses in agriculture; a reference manual]  
Dobycha i ispol'zovanie torfa v sel'skom khoziaistve; spravochnoe  
posobie. Minsk, Gos.izd-vo BSSR. Red.sel'khoz.lit-ry, 1959.  
231 p. (MIRA 13:4)  
(Peat) (Fertilizers and manures)

TEREGULOV, I.Kh., inzh.

Present status and prospects for the utilization of peat as a  
fertilizer. Torf. prom. 36 no.5:19-20 '59.

(MIRA 13:1)

1. Ministerstvo sel'skogo khozyaystva SSSR.  
(Peat) (Fertilizers and manures)

24.4100

66409

AUTHORS: Mushtari, Kh. M., Teregulov, I. G. SOV/20-128-6-13/63

TITLE: On the Theory of Shells of Moderate Thickness

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 128, Nr 6, pp 1144-1147  
(USSR)

ABSTRACT: The authors based their investigations on the principle of virtual displacements to derive the equations for the equilibrium of shells. These equations make it then possible to introduce simplifications of a predetermined accuracy. Moreover, the problem of boundary conditions in the theory of thick plates and shells is solved here. The first equation written down refers to the virtual displacements of a shell (which is assumed to be a three-dimensional body), and the equilibrium equations referred to the nondeformed state are derived next. The static boundary conditions are then specified. Hooke's Law is written down in a generalized form. The authors then investigate the linear problem more thoroughly; the error permissible is of the order of deformation together with an error of the order of magnitude  $h^2/R^2$ . Here, R denotes the smaller radius of curvature of the surface, h being a constant. The computation course

Card 1/2

4

66409

On the Theory of Shells of Moderate Thickness

SOV/20-128-6-13/63

is followed up step by step. The equations derived here were applied to the solution of problems concerning the flexure of a circular plate with a radius  $a$ , and a rigid central disk with radius  $b$  under the action of a unilateral uniform pressure  $q$  in the region  $b \leq r \leq a$  and the force  $Q$  applied to the disk. Some results are summarized in a table. The investigation under review was completed by Teregulov under the supervision of Kh. M. Mushtari. There are 1 table and 6 references, 5 of which are Soviet.

ASSOCIATION: Kazanskiy khimiko-tehnologicheskiy institut im. S. M. Kirova  
(Kazan' Institute of Chemical Technology imeni S. M. Kirov)

PRESENTED: June 19, 1959, by Yu. N. Rabotnov, Academician

4

SUBMITTED: June 10, 1959

Card 2/2

VIKHLYAYEV, I.I., prof.; OLENIN, A.S., kand.tekhn.nauk; RUMOV, D.I., inzh.;  
TEREGULOV, I.Kh., inzh.; PATCHIKHINA, O.Ye., kand.sel'skokhoz.nauk;  
SHISHKOV, K.N., kand.sel'skokhoz.nauk; MIMENKOVA, V.R., red.;  
BALLOD, A.I., tekhn.red.

[Manual on peat] Spravochnik po torfu. Moscow, Gos.izd-vo sel'khoz.  
lit-ry, 1960. 318 p. (MIRA 14:2)  
(Peat)

TEREGULOV, I.Kh.

Possibilities for increasing the production of local fertilizers.  
Zemledelie 24 no.11:55-60 N '62. (MIRA 16:1)

1. Glavnnyy spetsialist Upravleniya torfyanogo fonda Glavnogo  
upravleniya geologii i okhrany nedr pri Sovete Ministrov RSFSR.  
(Fertilizers and manures) (Peat) (Phosphorites)

TEREGULOV, I.Kh.; OZOL, B.; TAMASHAS, R.; BANDIN, M.

Brief news. Torf. prom. 39 no.7:37-40 '62. (MIRA 16:8)

(Peat industry)

TURKILOV, Kh. G.

"Effect of the Perennial Grass Cover on the Fertility of the Leached Out Chernozem Encountered in the Forest Steppes of the Western (Bashkir) Slopes of the Ural Regions." Cand Agr Sci, Kirgiz Agricultural Inst, Frunze, 1953. (RZhBiol, No 1, Sep 54)

SO: Sum 432, 29 Mar 55

TEREGULOV, N.G.

Device for measuring internal grooves. Mashinstroitel' no.8:24  
Ag '60. (MIRA 13:9)  
(Calipers)

SAMTSOV, V.A.; TEREGULOV, R.G.

Equipment for demonstration of recording of blood pressure, respiration  
and function of isolated organs. Arkh. pat., Moskva 13 no.6:93-94 Nov-  
Dec 51. (CIML 21:4)

1. Of the Department of Pathological Physiology (Head--Prof. V.A. Samtsov),  
Bashkir Medical Institute (Director--Docent A.A. Ivanov), Ufa.

TEREGULOV, R.G.

Analysis of changes in the tonus of the vagus innervation center  
of the heart in hypoxic and anemic hypoxia in adult dogs. Biul.  
eksp. biol. i med. 59 no.4:22-25 Ap '65.

(MIRA 18:5)

1. Laboratoriya vozrastnoy fizioligii i patologii (zav. - prof.  
I.A. Arshavskiy) Instituta normal'noy i patologicheskoy fiziologii  
(dir. - deystvitel'nyy chlen AMN SSSR V.V. Parin) AMN SSSR, Moskva.

KOROL'KOVA, O.A., assistent; TEREGULOVA, G.Sh.

Treatment of climacteric disorders with general restorative agents. Kaz. med. zhur. no.1:43-45 Ja-F'63.

(MIMA 16:8)

1. 1-ya kafedra akusherstva i ginekologii (zav. - prof. P.V. Manonkov) Kazanskogo meditsinskogo instituta i 2-ya zhenskaya konsul'tatsiya (zav. - T.G.Fayzullina) Kazanskogo meditsinskogo instituta.

(CLIMACTERIC)

SULTANOVA, S.A.; TEREGULOVA, S.A.

Effect of streptocide, sulfidine, and sulfazole on quantitative  
and qualitative changes of glutathione in blood and organs. Tr.  
Vsesoiuz. obsh. fiziol. no.1:109 1952. (GLML 24:1)

1. Delivered 23 November 1949, Baku.

RASANOV, A.S.; TERECHIOVA, S.A.

Role of proteins in regulation of carotene metabolism. Tr. Vsesoiuz.  
obsh. fisiol. no. 1:111 1952. (CML 24:1)

1. Delivered 23 January 1950, Baku.

L 16012-66  
ACC NR: AT6034088

SOURCE CODE: HU/2502/65/044/003/0287/0292

32  
B+1

AUTHOR: Pulay, Peter--Pulai, P.; Tork, Ferenc--Terek, F.

ORG: Research Group of Inorganic Chemistry, Hungarian Academy of Sciences (Magyar Tudomanyos Akademia, Szervetlen Kemial Kutatocsoport); Department of General and Inorganic Chemistry, Eotvos Lorand University, Budapest (Eotvos Lorand Tudomanyegyzem, Altalanos es Szervetlen Kemial Tanszek)

TITLE: Expression of F matrices by parameters, I.

SOURCE: Acta chimica academiae scientiarum Hungaricae, v. 44, no. 3, 1965, 287-292

TOPIC TAGS: eigenvalue, mathematic matrix

ABSTRACT: Real, positive, definite F matrices, the products of which have (experimentally determined) eigenvalues according to the requirements of G, Gf, n, were expressed as functions having  $n(n-1)/2$  parameters. Some iterative methods are given which enable the building up of F matrices which satisfy certain required conditions. Orig. art. has: 7 formulas. [Based on authors' Eng. abst.]  
[JPRS: 33,540]

SUB CODE: 12 / SUBM DATE: 27Oct64 / ORIG REF: 001 / OTH REF: 007

Card 1/1 L:

0920 2743

TEREK, S.

USSR/Chemical Technology - Chemical Products and Their  
Application. Wood Chemistry Products. Hydrolysis Industry

I-9

Abs Jour : Ref Zhur - Khimiya, No 1, 1958, 2673

Author : Terek, S., Sharkov, V.I.

Inst :

Title : Investigation of the Composition of Pentose Hydrolysates  
of Cottonseed Hulls and Sunflower Seed Husks.

Orig Pub : Gidroliznaya i lesokhim. prom-st', 1957, No 5, 13-14

Abstract : It is shown that the hemicelluloses of sunflower husks  
(SH) are hydrolyzed, under identical conditions, consider-  
ably slower than the hemicelluloses of cottonseed hulls  
(CH). Chemical composition of monosaccharides of pentose  
hydrolysates of SH and CH, differ substantially. Parti-  
cularly distinct is the composition of hydrolysates of the  
first stages of hydrolysis. In mixed hydrolysates of all  
four stages of hydrolysis this difference is attenuated,  
but the pentose hydrolysates of SH contain more uronic

Card 1/2

USSR/Chemical Technology - Chemical Products and Their  
Application. Wood Chemistry Products. Hydrolysis Industry I-9

Abs Jour : Ref Zhur - Khimiya, № 1, 1958, 2673

acids, arabinose and galactose, than the pentose hydrolysates of CH. In the hydrolysates of CH and SH only traces of mannose could be detected; their glucose content does not exceed 2.4-3.9%.

Card 2/2

. TEREKH, V.M. ; GRISHKO-BOGMENKO, B.K. [Kryshko-Bohmenko, B.K.]

Promising types of walnut in the Botanical Garden of the Ukrainian  
Academy of Sciences. Trudy Bot. sada AN URSR 7:132-136 '60.  
(MIRA 14:4)

(Ukraine—Walnut)

TREKHA, G.V.

First results. Nauka i pered.op.v sel'khoz. 7 no.9:20-21 S '57.  
(MIRA 10:10)

1. Sekretar' Chernevetskogo raykoma Kommunisticheskoy Partii  
Ukrainy Vinnitskoy oblasti.  
(Stock and stockbreeding)

GOLLAND, E.B.; TEREKHIN, A.I.

Improving the technology of hydraulic coal mining at the  
"Krasnogorskaya" hydraulic mine and mastering rated indices.  
Ugol' 39 no.9:16-22 S '64. (MIA 17:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy i projektno-konstruktorskiy institut dobychi uglya gidravlicheskim sposobom (for Golland).
2. Gidroshakhta "Krasnogorskaya" (for Terekhin).

TEREKHIN, A.P. (Saratov)

Approximation of functions of bounded p-variation. Izv. vys. ucheb.  
zav.; mat. no.2:171-187 '65. (MIRA 18:5)

L 27248-66  
ACC NR: AP6009861

SOURCE CODE: UR/0413/66/000/004/0053/0053

AUTHORS: Yudin, Ye. Ya.; Tsodikov, V. Ya.; Khusainova, O. N.; Yakobson, I. M.; Torekhin, A. S.; Butkin, B. I.; Chuchayev, V. G.

ORG: none

TITLE: Composite noise damper. Class 27, No. 178934

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 4, 1966, 53

TOPIC TAGS: acoustic noise, sound absorption

ABSTRACT: This Author Certificate presents a composite noise damper for gas-dynamical equipment, engine exhaust channels, and ventilator shafts. The damper contains resonators placed along the side walls of the channel and sheets of sound absorbing material placed parallel to the resonators (see Fig. 1). To increase the damping efficiency and to decrease the consumption of the sound absorbing material, the sheets have open holes along their entire length for absorption of sound waves at both high and low frequencies.

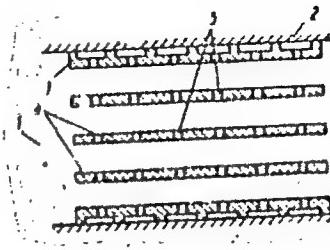
Card 1/2

UDC: 62--758.34

L 27248-66

ACC NR: AP6009861

Fig. 1. 1 - exhaust channel; 2 - channel walls;  
3 - resonators; 4 - sheets; 5 - open  
holes in sheets.



Orig. art. has: 1 diagram.

SUB CODE: 20, 13/ SUBM DATE: 01Feb65

Card 2/2 CC

L 05152-67 F T(7)/F67(7) DEP(1) EN/EM  
ACC NR: AP6011263

SOURCE CODE: UR/0413/66/000/006/011/0103

AUTHORS: Munin, A. G.; Naumenko, Z. N.; Terekhin, A. S.; Filippova, A. P.; Chikin, K. G.

ORG: none

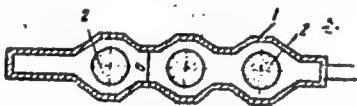
TITLE: Apparatus for damping noise in aerodynamic or gas-dynamic machinery.  
Class 47, No. 180020

SOURCE: Izobroteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 6, 1966, 103

TOPIC TAGS: aerodynamic noise, acoustic noise, aerodynamics

ABSTRACT: This Author Certificate presents an apparatus for damping noise in aerodynamic or gas-dynamic machinery. The apparatus contains a reinforced concrete case with sound-absorbing columns, an inflow duct, and an exhaust chamber. To increase the acoustical effectiveness of noise damping in a broad range of frequencies, the reinforced concrete case is corrugated and has a variable cross section (see Fig. 1). The sound-absorbing columns are placed in each corrugation.

Fig. 1. 1 - reinforced concrete case;  
2 - sound-absorbing columns



Orig. art. has: 1 figure.  
SUB CODE: 13/ SUBM DATE: 22Jul64

Card 1/1 vmb

UDC: 621-758.34:533.071.5

ACC NR: AP6033482

SOURCE CODE: UR/0413/66/000/018/0085/0085

INVENTOR: Yudin, Ye. Ya.; Terekhin, A. S.; Mogila, V. R.

ORG: none

TITLE: Axial fan. Class 27, No. 186070

SOURCE: Izobret prom obraz tov zn, no. 18, 1966, 85

TOPIC TAGS: axial fan, axial fan design, engine cooling; fan, engine cooling system

ABSTRACT: The proposed axial fan has a center fairing. In order to lower the noise level and to decrease the size of the fan, its fairing is made in the form of a silencing chamber (see Fig. 1). Orig. art. has: 1 figure. [WA No. 76].

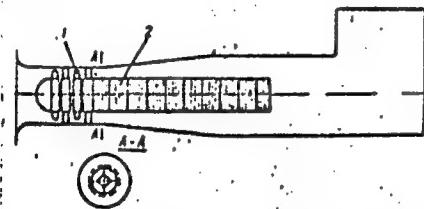


Fig. 1. Axial fan

1 - Fan; 2 - fairing.

SUB CODE: 21/ SUBM DATE: 25Dec64  
Card 1/1 UDC: 622.445-758.34

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755320008-0

APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755320008-0"

Terekhin, A Ye

AID P - 2996

Subject : USSR/Electricity

Card 1/1 Pub. 29 - 11/28

Author : Terekhin, A. Ye., Eng.

Title : Improvement of the structure of the gate valve of the feeding high pressure piston

Periodical : Energetik, 6, 18-19, Je 1955

Abstract : The author describes the improvement made in the regulating pistons destined for high pressure boilers. He points to the deficiencies and to the improvements made. Three drawings.

Institution : None

Submitted : No date

IL'IN, A., inzh.; TEREKHIN, B., inzh.

Ground deformation by seepage through sluice foundations  
and ways to avoid it. Rech.transp. 19 no.7:34-36  
Jl '60. (MIRA 13:8)  
(Sluices—Foundations) (Earth movements)

"APPROVED FOR RELEASE: 07/16/2001

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CIA-RDP86-00513R001755320008-0"

L 15708-56 FBD/BMT(1)/EBC(k)-2/T/  
ACC NR: AP6007095 .., J: /EMP(k)/EMP(b)/EMA(h)/EMT(m) SOTB/ZJP(c)  
SOURCE CODE: UR/0057/66/036/002/0394/0397

AUTHOR: Terekhin, D. K.; Fridrikhov, S. A.

ORG: Leningrad Polytechnic Institute im. M. I. Kalinin (Leningradskiy  
politekhnicheskiy institut)

TITLE: The effect of a longitudinal magnetic field on the operation of an  
He-Ne laser at  $\lambda = 0.6328 \mu$

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 36, no. 2, 1966, 394-397

TOPIC TAGS: laser, gas laser, helium, neon, ~~longitudinal~~, magnetic field, ~~discharge~~,  
~~tube, photomultiplier~~

ABSTRACT: The effect of a longitudinal magnetic field on the operation of an  
He-Ne laser at  $\lambda = 0.6328 \mu$  was investigated experimentally. A discharge tube  
85 cm long and 4.4 mm in internal diameter, terminated with glass windows mounted  
at the Brewster angle, was filled to a pressure of 0.85 mm Hg with a neon-  
helium mixture at a ratio of 1:5.6. The discharge was excited at fixed current  
values. The magnetic field, which was parallel to the laser axis, could be varied  
from 0 to 2000 oe. A semi-confocal resonator was used with dielectric-coated  
mirrors ( $R \approx 99.2\%$ ) placed at 120 cm. The laser power was measured in relative  
units by means of an FEU-22 photomultiplier. Curves of the laser power  $P_1$  as a  
Card 1/2

L 15798-66

ACC NR: AP6007095

function of field intensity at various values of discharge current were plotted and analyzed. Three distinct regions could be observed: 1) a region in which a rapid initial increase in generation power occurred when the field intensity increased from 0 to 10-15 oe; 2) a region in which there was a subsequent, smoother increase in the signal, which may be preceded by a short sloping interval; and 3) (after a distinct power maximum at  $H \approx 150$  oe) a region in which a corresponding gradual decrease in laser output power occurred until the disruption of generation. The relative power increase in the first region was approximately equal for all values of discharge current and amounted to 150-200%. The rise in power in the second region was attributed to an increase in population inversion due to suppression by the magnetic field of generation at the  $3s_2 - 3p_1$  transition ( $\lambda = 3.39 \mu$ ). The smooth decrease in power in the third region was attributed to the separation of Doppler-broadened  $\sigma^+$ -components of radiation (both at  $1.15 \mu$  and  $3.39 \mu$ ) and to a decrease in the overlap region with an increase in  $H$ . The form of the function  $P_1 = P(H)$  changed when the parameters of the active medium varied sharply from the optimal. The longitudinal magnetic field  $H < 15$  oe re-established laser action at  $\lambda = 0.63 \mu$  when generation was disrupted because of an increase in the content of dopants in the discharge. Orig. art. [YK]

SUB CODE: 20/ SUBM DATE: 03Jul65/ ORIG REF: 001/ OTH REF: 007/ ATD PRESS:  
Card 2/2 7/195 4201

MUKHIN, G.A.; VEKSLER, M.A.; BOYARINOV, A.I. Primali uchastiye: TANQKIN, I.V.;  
TEREKHIN, E.M.

Laboratory high-frequency automatic titrator. Zav.lab. 29 no.8.  
(MIRA 16:9)  
1008-1009 '63.  
(Conductometric analysis)

TEREKHIN, E.S.; IVANOVA, G.I.

Systematics of Caucasian broomrapes. Bot. zhur. 50 no.8:1105-  
1112 Ag '65.  
(MIRA 18:10)

1. Botanicheskiy institut imeni V.L. Komarova AN SSSR, Leningrad.

GRIGOR'YEVA, T.G.; TEREKHIN, E.S.

Distribution of grain bugs of the genus *Aelia* (Hemiptera, Pentatomidae) in the trans-Volga region and northern Kazakhstan. Ent. oboz. 40 no.1:19-23 '61. (MIRA 14:2)

1. Vsesoyuznyy institut zashchity rasteniy Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni Lenina, Leningrad.  
(Staraya-Poltavka District--Stinkbugs)  
(Karabalykskiy District--Stinkbugs)  
(Wheat--Diseases and pests)

TEREKHIN, E.S.

Development of the endosperm and growth characteristics of the  
zygote in the European species of wintergreen. Bot.zhur. 47  
no.2:254-258 F '62. (MIRA 15:3)

1. Botanicheskiy institut imeni V.L.Komarova AN SSSR, Leningrad.  
(Wintergreen)

TEREKHIN, E.S.

Effect of some ecologic factors on the development of embryonic  
structures in Pyrolaeae-Monotropaeae. Bot. zhur. 47 no.4:571-577  
Ap '62. (MIRA 15:8)

1. Botanicheskiy institut imeni V.L.Komarova AN SSSR, Leningrad.  
(Wintergreen) (Indian pipe (Botany))

TEREKHIN, E.S.

Development of embryos in some Pyroleae-Monotropoideae. Bot. zhur.  
47 no.12:1811-1816 D '62. (MIRA 16:6)

1. Botanicheskiy institut imeni V.L.Komarova AN SSSR, Leningrad.  
(Wintergreen) (Botany--Embryology) (Indian pipe (Botany))

TREKHN, E. S.

Dissertation defended in the Botanical Institute imeni V. L. Komarov  
for the academic degree of Candidate of Biological Sciences:

"Embryology of Pyrolaceae and Monotropaceae in Relation to Their  
Biology and Systematic Ranking."

Vestnik Akad Nauk No. 4, 1963, pp. 119-145

TEREKHIN, E. S.

Development of the ovule and female gametophyte in Pyroleae  
and Monotropeae. Bot. zhur. 48 no.3:406-414 Mr '63.  
(MIRA 16:4)

1. Botanicheskiy institut imeni V. L. Komarova AN SSSR,  
Leningrad.

(Wintergreen) (Indian pipe(Botany))  
(Botany—Embryology)

BATYGINA, T.B.; TEREKHIN, E.S.; ALIMOVA, G.K.; YAKOVLEV, M.S.

Genesis of male sporangia in Gramineae and Ericaceae. Bot. zhur.  
48 no.8:1108-1120 Ag '63. (MIRA 16:10)

1. Botanicheskiy institut imeni V.L. Komarova AN SSSR, Leningrad.  
(Sporangium) (Gramineae) (Heather)

TEREKHIN, E.S.

Terms "saprophyte," "semisaprophyte" and "semiparasite" (in connection with the character of biotic relations among some angiosperms). Bot. zhur. 50 no.1:60-69 Ja '65.

(MIRA 18:3)

1. Botanicheskiy institut imeni Komarova AN SSSR, Leningrad.

TEREKHIN, F., prepodavatel'

Laboratory work on metal cutting. Prof.-tekhn. obr. 19  
no.12:13-15 D '62. (MIRA 16:2)

1. Remeslennoye uchilishche No.17, Novosibirsk.  
(Metal cutting—Study and teaching)

KUZNETSOV, Mikhail Ilyevich; TEPERIN, F.S., red.; LAGOVSKIY,  
G.N., red.

[Safety regulations for workers on hydraulic dredges  
(towed and automotive)] Pamiatka po tekhnike bezopasnosti  
dlja rabotaiushchikh na gidronekhanicheskikh snariadakh  
(plavuchikh i na avtotelehu). Moskva, Transport, 1965.  
(MIRA 18:7)  
45 p.

TEREKHIN, F. V.

PA 20/49T13

USSR/Electricity  
Turbogenerators  
Power Plants, Electric

Sep 48

"Case of Damage of the Rotor Insulating Rings in a  
Type T2 Turbogenerator," F. V. Terekhin, Engr, t p

"Elek Stants" No 9

Describes three cases of subject defect and  
suggests measures to avoid it.

20/49T13

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755320008-0

APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755320008-0"

TEREKHIN, F.V., inzh.

Testing the stator windings of high-power hydraulic generators with increased voltage prior to their replacement. Elek.sta. 28 no.12:38-40  
(MIRA 12:3)

D '57.

(Electric generators--Testing)

TEREKHIN, F.V., inzh.

Redesign of the rotors of turbogenerators TV-50-2 and T2-50-2  
with reinsurance of windings. Elek.sta.29 no.3:45-49 Mr 158.  
(Turbogenerators) (MIRA 11:5)

MURZAYEV, Ya.F.; TEREKHIN, G.N.

AE-23 automatic unit for hardening starter shafts by heating  
in an electrolyte. Biul.tekh.-ekon.inform.Gos.nauch.-issl.  
inst.nauch.i tekhn.inform. no.2:31-32 '63. (MIRA 16:2)  
(Steel-Hardening)

TEREKHIN, K.; NYDEL'MAN, Yu.

Using machines in constructing electric transmission  
lines. Sel'stroi. 15 no.8:16-17 Ag '60.  
(MIRA 13:8)

1. Upravlyayushchiy Stavropol'skim stroitel'no-mono-  
tashnym trestom "Sel'elektrostroy" (for Terekhin). 2. Glavnyy  
inshener Stavropol'skogo stroitel'no-montazhnogo tresta  
"Sel'elektrostroy" (for Nydel'man),  
(Stavropol' Territory--Electric lines--Poles)  
(Hoisting machinery)

TEREKHIN, L.N.

Tie tamper "Blankenburg." Put' i put. khos. 7 no.5:47 '63.  
(MIRA 16:7)  
(Railroads—Equipment and supplies)

TEREKHNIN, L.N., inzh.

Minimum size cutout for determining the average density of  
crushed stone ballast with the hydrometric method. Trudy MIIT  
(MIRA 17:9)  
no. 173:67-72 '63.

TZREKHIN, L.N., inzh.

Determining the hollowness of rubble ballast with a hydrodensimeter.  
Transp. stroi. 13 no.7:56-58 Jl '63. (MIRA 16:9)  
(Measuring instruments)

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755320008-0

TEREKHIN, L. N., aspirant

Determining the density of crushed stone ballast. Vest  
TSNIT MPS 23 no. 3:35-32 '64. (MIRA 17:5)

APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755320008-0"

MIKHALKOV, Aleksandr Vladimirovich; SERGEYEV, A.S., dots., rezensent;  
DMCKHOVSKAYA, L.F., dots., rezensent; BORISOGLEBSKIY, P.V.,  
dots., rezensent; LIFF, N.A., inch., rezensent; TEREKHNIN,  
L.S., nauchn. red.; POLETAYEVA, T.G., red.

[High-voltage technology in examples and problems] Tekhnika  
vysokikh napriazhenii v primerakh i zadachakh. Moskva,  
Vysshiaia shkola, 1965. 225 p. (Mild 18:10)

SINCHERBAKOV, O.K.; TEREKHIN, N.A.

[Design of stabilized rectifying devices for electronic computers] Inzhenernyi raschet stabilizirovannykh vypriamitel'nykh ustroistv dlia vychislitel'nykh mashin. Moskva, Inst. tekhniki mekhaniki i vychislitel'noi tekhniki Akad. nauk SSSR, 1961. 61 p. (MIRA 15:10)

(Electronic calculating machines)  
(Electric power supply to apparatus)  
(Electric current rectifiers)

TERRAKHIN, M.M. (g. Pskov)

Preparing students for practical work by means of club activities.  
Politekh. obuch. no.9:67-70 S '58. (MIRA 11:10)  
(Chemistry--Study and teaching)

TEREKHIY, M.N., kandidat pedagogicheskikh nauk.

Importance of practical work for the study of Michurin biological theories. Mat. v shkole no.3:60-65 My-Je '54. (MIRA 7:7)

1. Novosibirskiy gosudarstvennyy pedagogicheskiy institut.  
(Botany--Study and teaching)

IGNATOV, Ye.M., inzhener; TEREKHIN, M.P., starshiy tekhnik.

Simplified type of anchor pull rods for 25-50 meter mast. Vest.  
aviasi 14 no.3:28 Mr '54. (MLRA 7:5)  
(Radio--Antennas)

KOSHELEV, Viktor Ivanovich; TEREEKHIN, N., otvetstvennyy redaktor; PROSHINA, L.,  
redaktor izdatel'stva; LEBEDEV, A., tekhnicheskiy redaktor

[Financing of capital investments by municipal banks; a practical  
manual] Finansirovaniye kapital'nykh vlozhenii kommunal'nyimi bankami;  
prakticheskoe posobie. Moskva, Gosfinizdat, 1957. 151 p. (MLRA 10:9)  
(Banks and banking) (Finance)

TEREKHIN, N.I., inzhener.

~~Technology of casting H-8 electric locomotive frames. Lit.proizv.~~  
no.4:4-7 Ap '57. (MLRA 10:5)  
(Founding) (Electric Locomotives)

TEREKHIN, P. I.

Mine Hoisting

Measures for ensuring uninterrupted work of mine elevators., Ugol', no. 2, 1952.

9. Monthly List of Russian Accessions, Library of Congress, May 1952 Uncl.

TEREKHIN, Pavel Ivanovich; PAVLOV, Vasilly Ivanovich; RYABOV, Gennadiy  
Vyacheslavovich; ZAKHAROV, Yuriy Vasil'yevich; SOKOLOV, A.I.,  
otv. red.

[Service life and norms for the expenditure of spare parts  
for mining machinery; a handbook] Sroki sluzhby i normy ras-  
khoda zapasnykh chastei dlia gornykh mashin; spravochnik.  
Moskva, Nedra, 1965. 428 p. (MIRA 18:4)

YUKEL'SON, I.I.; NEKLYUDOVA, N.F.; TEREKHIN, R.M.

Design of a batch-type reactor of varying volume. Izv. vys.  
ucheb. zav.; khim. i khim. tekhn. 8 no.3:488-490 '65.

(MIRA 18:10)

1. Voronezhskiy tekhnologicheskiy institut, kafedra tekhnologii  
osnovnogo organicheskogo sinteza i sinteticheskogo kauchuka.

KHARIN, N.; TEREKHON, S.

Conference of medical personnel. Zdrav. Bel. 7 no.5:69 My '61.  
(MIRA 14:6)

(PINSK--PUBLIC HEALTH)  
(VISOKOYE DISTRICT--PUBLIC HEALTH)

RUDENKO, M.S.; TEREKHIN, S.Ya.

Construction of the Novo-Arbatskii bridge. Transp. stroi. 8  
no. 8:16-20 Ag '58. (MIRA 11:10)  
(Moscow--Bridge construction)

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755320008-0

TEREKHIN, S.Ya., inzh.; YAKOVLEV, K.N., arkhitektor

The new Avtozavod bridge. Gor.khoz.Mosk. 36 no.2:6-8 F '62.  
(MIRA 16:2)

(Moscow--Bridges)

APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755320008-0"

TEREKHIN, S.Ya., inzh.

The Aztozavodskiy Bridge in Moscow. Transp. stroi. 13  
no.2:9-14 F '63. (MIRA 16:3)  
(Moscow—Bridge construction)

TEREKHIN, V.

Uninterrupted length of service in determining the amount of  
temporary disability relief. Okhr. truda i sots. strakh. no.1:73-76  
Jl '58. (MIRA 11:12)

(Insurance, Disability)

TEREKHIN, V.

Mechanization of labor-consuming operations at the Kiev 'Avtobus' Station. Avt. transp. 43 no.8:10-11 Ag '65. (MFA 1842)

1. Zamestitel' nachal'nika upravleniya passazhirskikh peresvozok Ministerstva avtomobil'nogo transporta i shosseynykh dorog UkrSSR.

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755320008-0

SERGEYEV, N., Polkovnik; OTARKOV, A., in ch.; PUPKIN, V., in ch.

"Leopard," SAV, "Chieftain." Tekn. i voennoe no. 2:24-26  
(VZNA 17:9)  
F '64.

APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755320008-0"

TEREKHIN, V.Y., polkovnik meditsinskoy sluzhby

So-called march periostitis of the tibia. Voen.-med. zhur. no.10:  
65-67 O '59. (MIRA 13:3)  
(TIBIA, diseases)  
(PERIOSTITIS)  
(ARMED FORCES PERSONNEL, diseases)

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755320008-0

TEREKHIN, V.G.

Limiting and controlling the growth of Novosibirsk. Trudy Zap.-Sib.  
fil. ASIA no.7:3-6 '62. (MIRA 18:2)

APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755320008-0"

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755320008-0

TEREKHIN, V.G., arkhitektor; YEL'KINA, V.L., inzh.-arkhitektor

Characteristics of the existing functional zoning and formation  
of the land balance in large cities of Western Siberia. Trudy  
Zap.-Sib. fil. ASiA no.7:16-22 '62. (MIRA 18:2)

APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755320008-0"

TEREKHIN, V.I.

New spark plug. Avt.prom. 29 no.10:44 0 '63. (MIRA 16:10)

TITARENKO, Petr Yakovlevich; TEREKHNIN, Vyacheslav Nikolayevich;  
REMENNIK, Lev Moiseyevich; SUKHANOV, Afanasy Filimonovich;  
NAZAROV, Petr Petrovich; KUTUZOV, Boris Nikolayevich;  
TOKAR', Moisey Grigor'yevich; SONIN, Boris Aleksandrovich;  
SOFRONOV, Fedor Petrovich; GEYMAN, L.M., red.izd-va;  
LAVRENT'YEVA, L.G., tekhn. red.

[New developments in boring and blasting operations in  
asbestos open pit mines] Novoe v burovaryvnykh rabotakh na  
asbestovykh kar'erasakh. Moskva, Gosgortekhizdat, 1963. 68 p.  
(MIRA 16:10)

(Asbestos mines and mining) (Blasting)

PF CHERKIN, A.G., gornyy inzh.; TEREKHIN, V.N.

Mechanization of charging and stemming blastholes in asbestos mines.  
Gor. zhur. no.6:44-47 Je '64. (MIRA 17:11)

1. Nauchno-issledovatel'skiy i proyektno-konstruktorskiy institut  
gornogo i obogatitel'nogo mashinostroyeniya, Sverdlovsk (for Pecherkin).
2. Glavnnyy inzh. tresta Soyuzasbest (for Terekhin).

S/598/61/000/006/002/034  
D245/D303

AUTHORS: Lukashenko, E.Ye., Zinov'yeva, N.K., Terekhin, V.P.  
and Feofanov, L.P.

TITLE: The mechanism of magnesiothermal reduction and forma-  
tion of titanium sponge in an industrial reactor

SOURCE: Akademiya nauk SSSR. Institut metallurgii. Titan i  
yego plavy. no. 6, 1961. Metallotermiya i elektro-  
khimiya titan, 14 - 20

TEXT: The authors carried out 6 experiments on the process using  
a reaction vessel enclosed in an industrial reactor and with  $TiCl_4$   
feed of 20, 30, 60, 80 and 95 % of that normally applied. The re-  
sults show that the mechanism of the process can be regarded as in  
three stages. In the first ( $TiCl_4$  consumption < 60 %) refined  
sponge and a thin lining form on the reactor wall.  $TiCl_4$  reduction  
prevails on the mirror surface of the fused Mg. The reaction rate  
is rapid and the role of secondary reactions unimportant. In the  
second stage ( $TiCl_4$  consumption < 80 %), Mg penetrates the pores

Card 1/2

The mechanism of magnesiothermal ...

S/598/61/000/006/002/034  
D245/D303

of the sponge, the lining becomes larger and the role of surface-diffusion processes and secondary chemical reactions becomes more marked. In the third stage ( $TiCl_4$  consumption  $> 80\%$ ), the volume of the reaction mass increases at the expense of the lining.  $TiCl_4$  reduction is gradual with intermediate formation of Ti sub-chlorides and their final reduction to metal. There are 3 figures and 8 references: 6 Soviet-bloc and 2 non-Soviet-bloc. The references to the English-language publications read as follows: F.S. Wartman and J. Oth, J. Electrochem. Soc., 1954, v. 101, no. 10; W.J. Kroll, Metal Industry, 1955, v. 27, nos. 4-9.

Card 2/2

TEREKHIN  
TSEKOV, Gerasim Dmitrievich; TEREKHIN, Ye.I., red.; FILIPPOVA, Ye.A.,  
vedushchiy red.; MUKHINA, E.A., tekhn.red.

[Methods of calculating multilayer curves in electrical prospecting]  
Metodika rascheta mnogosloinykh krivykh elektricheskogo zondirovaniia.  
Moskva, Gos. nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry,  
(MIRA 11:5)  
1957. 81 p.  
(Logging (Geology))

TEREKHIN, Ye. I., Cand Geomin Sci --(disc) " Development of the  
theory of interpretation of electric soundings <sup>Experiments</sup> ~~carried out~~ at sea."  
Mos, 1958. 10 pp (Min of Higher Education USSR. Moscow Order of  
Lenin and Order of Labor Red Banner State Univ im M.V.Lomonosov.  
Geol Faculty. Chair of Geophys Methods of Study of the Earth's Crust).  
110 copies (KL, 20-58, 94)

-32-

PAGE I BOOK LISTINGS	NOV/7/76
<u>Fundamental methods in electrical resistivity studies under review.</u>	
Prakash, Sankar, ed., pp. 18 (Printed Graphite); Collection of articles, No. 10, Moscow, Geopress, 1968, 205 p.	
Berlin, also issued, 3,000 copies printed.	
BLA: A.S. Bogdanov; Reviewer: E.P. Dobretsov; Tech. Ed.: G.A. Malinov.	
PURPOSE: The book is intended for engineers, technicians, geophysicists, and persons interested in the geophysical methods of petroleum prospecting.	
CONTENTS: The book is a collection of 15 articles dealing with the theoretical and practical problems of electrical resistivity seismic prospecting and gravity. Advances in electrical prospecting is not easily reversible region and to the areas are treated for the first time in Soviet literature. New methods for the investigation and detection of pollution in drilling operations as well as optical and impedance logging are analyzed. No personalities are mentioned, references accompanying each of the articles.	
BLA: Seregin, Yu. A.; Koval'chuk, V.I.; Mironov, and A.V. Prokof'ev.	
Methods and Techniques of Application of Stereographic Projections for the Solution of Spatial Problems in Geometric Reconstructions	
Bogorodskii, I.D. Importance of Reflected and Refracted Impedimental Waves in Studies of Indurated Lava Flow Critical	
Pashin, N.K. and A.I. Shumakov, Two Problems of the Theory of Seismic and Optical Methods of the Optical Stage of a Seismic Register and Seismometer	
Prosviryakov, D.Yu. Theoretical Principles of Electrical Soundings With an Electromagnetic Source in Water	
Aubert, A.M., P.J. Pechersky, and A.M. Sapozhnikov. Application of New Methods of Electrical Prospecting in Siberia	
Borchers, H.H. Methods of Determining Electrical Resistivities	
Borodkin, I.Z. Application of the Deep (Deep) Method for the Investigation of Surface Structures	
Kusalev, I.O. Method of Integral Transformations in the Geological Interpretation of Geophysical Anomalies	
Nekrasov, P.P. Resistivity Characteristics of a Geological Cross Section of the Krasnoyarsk and Chersky Districts of the Western Siberian Lowland	
Ponomarev, V.P. Some Relations Between Errors in Determining Observations of a New Network in the Case of a Linear Change of the Soil Resistivity	
Rapoport, S.M. Techniques for Controlling the Polarization of Current Around a Casing Column	
Sokol'skii, S.M. New Problems in Gas Logging	
Sokol'skii, S.M. Interference Logging	
Sokol'skii, S.M. Optical Methods for Investigation of Zone Boundaries	
Tsvetkov, V.Z. Method for Detecting Inductive Inductions of Very Small Intensity	
Fedorov, V.P. Relationship between the Observation Control Point and the Grid Interval of Geophysical Maps	
Khalilov, Library of Congress (1969-77)	
CONT. 49	

TEREKHIN, Y. I.

3(5)

PHASE I BOOK EXPLOITATION

SOV/2821

Vsesoyuznyy nauchno-issledovatel'skiy institut geofizicheskikh metodov razvedki

Razvedochnaya i promyslovaya geofizika, vyp. 24 (Exploration and Industrial Geophysics, No. 24) Moscow, Gostoptekhizdat, 1958. 58 p. (Series: Obmen proizvodstvennym opyтом) 4,500 copies printed.

Ed.: M.K. Polshkov; Exec. Ed.: Ye. G. Pershina; Tech. Ed.: I.G. Fedotova.

PURPOSE: This booklet is intended for geophysicists as well as engineers and technicians engaged in geophysical work.

COVERAGE: This collection of articles discusses new methods of interpreting electrical logging, gravimetric and seismic data, and describes industrial geophysical instruments (cementometer, perforator, etc.). Improvements made on older apparatus (e.g., a change in the design of a perforator for radioactive electrical logging) are also discussed. References accompany each article.

Card 1/3

## Exploration and Industrial Geophysics (Cont.)

SOV/2821

## TABLE OF CONTENTS:

Putimtsev, G.N., and A.V. Volkonskiy. Improvement in the Design of Automatic Amplification Control in Seismic Stations SS-26-51D	3
Kunarev, A.A. Method of Constructing Reflecting Boundaries	8
Terekhin, Ye. I. Effect of a Layer of Water on the Results of Marine Electrical Logging	10
Popov, Yu. N. Interpretation of Telluric Current Observations	17
Popov, Yu. N. Nomogram for the Control of Angles in Constructing Vector Diagrams in the Telluric Current Method	22
Bordovskiy, V.P. Computing Coefficients of Dipole Units in Cur- vilinear Logging	24
Beloserov, I.P. Gravity Effect of a Vertical Cylinder of Finite Dimensions	28
Molochnikov, Z.I. Evaluating the Character of Oil Saturation of	
Card 2/3	

Exploration and Industrial Geophysics (Cont.)	SOV/2821
Carbonaceous Reservoir Rocks Through Electrologging Data	34
Aksel'rod, S.M. Well Cementometer for Operation With a Single-strand Cable	37
Zel'tsman, P.A. Substituting the Inclinometer ISh-3 and ISh-4 Rheochords Without Subsequent Rescaling	42
Gorbenko, L.A. New Perforators for Oil Wells	46
Kargov, O.N., and N.P. Sumerov. Automatic Hoist Switch-off for Large Cable Loads	56
Gorskiy, Ya.Ya. Change in the Design of a High Voltage Transformer in a Depth Appliance for Radioactive Logging	57

AVAILABLE: Library of Congress

Card 3/3

MM/bg  
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TEREKHIN, YE. I.

THE BOOK REVIEW

81/2

- 3(5) Vsesoyuznyj nauchno-issledovatel'nyj institut gornicheskikh metodov raskrovi  
Barabochinskaya 1 pravlyazovaya goritska, TIP, 23 [Exploration and Industrial  
Geology], No. 1 (Series: Chislennoe modelirovaniye geofizicheskikh metodov raskrovi  
geologicheskikh i gornicheskikh zemnykh mass), Moscow, Gostoptekhnizdat, 1958. 77 p., 4,000 copies printed.  
proizvodstvennyj ogranich.] Errata slip inserted.

Bl. 1. A.I. Bogdanov: Dose, Bl. 1. Ye.G. Pashkin: Tech., Bl. 1. A.S. Polozina.

PURPOSE: This book is intended for geophysicists as well as engineers  
and technical personnel in the petroleum industry.

CONTENT: This collection of articles describes new equipment and instruments  
used in the petroleum industry. Individual articles discuss the elec-  
trical methods of geophysical prospecting and the magnetic method. Regional  
electromagnetic thermometry and electrical sounding at sea, electrical survey  
problems such as electrical resistivity, resistivity tomography, etc. are also treated. References concerning such arti-  
cles in foreign periodicals are also treated.

TABLE OF CONTENTS:

Datskovich, A.A. Magnetotelluric Logging Locator  
Akai-Yoo, S.M. Shielded-Cable Electronic Thermometer  
Card 4/2

30 of 30

**TABLE OF CONTENTS.**

Bakutovich, A.M.	Magnetic Logging Locator
Anal. Prof., B.M.	Single-Cable Electronic Thermometer
Card 1/2	

19	Bachurin, I.I. An Example of the Relationship Between a Rock's Potential Resistivity and Its Reservoir Properties	Sashkin, Yu.I. Measuring the Moment of Explosion in Deep Sediments	Akserovich, G.I., et al. Recording the Moment of Explosion in Deep Sediments	Logistic	Georgiev, T.L. Theoretical Curves of Marine Electrical Logging	Parashkev, A.B. Simulation of Electrical Logging for Boreholes and Trap-like Fields	Kalmer, Yu.I. Use of Electrical Surveying Under Permafrost Conditions	Khramtsov, N.A. Density of Rocks in Crustal	Sashkin, Yu.I. Regarding Errors in porphyroblastometric Measurements Made From Surface Vessels	Arshavin, G.M. Possibility of Extending the Boundaries of a Doliom	AVAILABILITY: Library of Geology
21											NEW AND 12-54-59
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
32											
33											
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46											
47											
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49											
50											
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